

City of Tucson/Pima County

HOUSEHOLD HAZARDOUS WASTE PROGRAM

ANNUAL REPORT – FISCAL YEAR 2012

PROGRAM HIGHLIGHTS FOR FY 2012

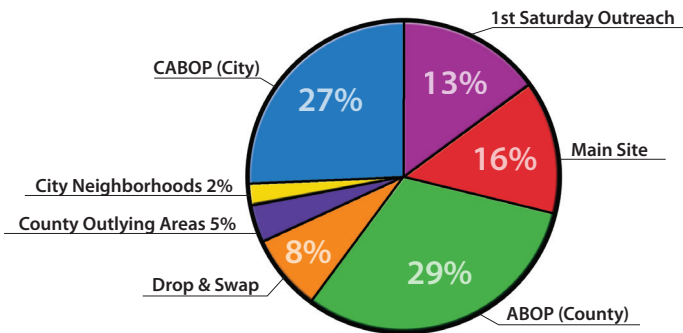
- Overall participation in 2012 was 33,648
- The Drop & Swap Program returned 18,635 items to the community for reuse
- 22,365 gallons of latex paint were reused
- 48,897 pounds of waste were collected from small businesses through the SBWAP
- Of the 515 tons collected, ninety-eight percent (98%) was recycled
- Program volunteers contributed over 1,860 service hours at collection and outreach events



PROGRAM PARTICIPATION

Annual public participation in the Program is tracked in six different categories (listed in Figure 1) from zip code data collected at outreach sites and from estimates using total pounds at drop-off sites. Annually, all categories tend to fluctuate slightly due to operational changes that can affect participation. Program participants are also asked in which jurisdiction they reside. This data helps track if participants are within an incorporated city or in unincorporated Pima County.

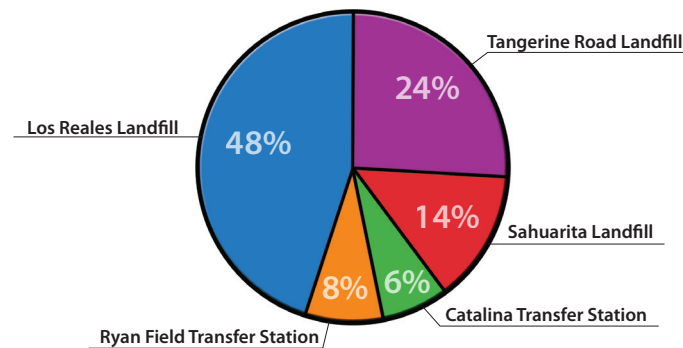
Figure 1. Participation distribution for FY 2012



ANTI-FREEZE, BATTERIES, OIL AND PAINT (ABOP) COLLECTION STATIONS

ABOP participation is estimated based on total pounds collected at the ABOP drop-off sites. Total ABOP participation at Los Reales (CABOP) is almost equal to that of the four County ABOPs and also accepts old computers. In order to increase efficiency, all City and County ABOP Stations are now closed on Sundays.

Figure 2. FY 2012 Participation at the ABOP Stations



- 18,845 residents participated through one of the five ABOP stations;
- Almost half of the total ABOP participation is attributed to the Los Reales Landfill site;
- ABOP participation makes up 56% of program participation.



DROP AND SWAP

Many of the materials dropped off at collection events are still useable products and redistribution of these products for their original intent saves money, natural resources, and time. Many of the items collected by the Program are still in good condition and the containers are often half-full to full. At the main collection site, useful products are

available to residents at no cost, with the exception of latex paint.

- ▶ 18,635 products were returned to the community for reuse, including 22,365 gallons of latex paint;
- ▶ The public saved an estimated \$212,000 in out-of-pocket expenses by using this service;
- ▶ An estimated \$54,000 in disposal expenses were avoided through redistribution.

SMALL BUSINESS WASTE ASSISTANCE PROGRAM

The SBWAP provides local businesses an option for disposing of hazardous materials generated at their business. Most new businesses registered through the SBWAP are referred through the Environmental Services' customer service personnel. Any business that generates less than 220 pounds per month of regulated hazardous waste is eligible to dispose it through this service. Some materials can be accepted in larger quantities, including latex paints and used oil. New businesses are often guided in this process and provided the appropriate paperwork in order to register with the SBWAP.

- ▶ Total revenue this year was \$22,520;
- ▶ Forty-seven percent of the participating businesses were newly registered with the SBWAP;
- ▶ Since the SBWAP was instituted in 1993, an estimated 700,000 pounds of hazardous waste have been collected from small businesses.

WASTE STREAMS

City of Tucson Environmental Services could no longer accept fluorescent lamps from businesses at the Los Reales Landfill which resulted in a significant increase in the amount of lamps collected through the Program. This waste stream is expected to continue to increase with the recent push for residents to switch from traditional light bulbs to the more efficient Compact Fluorescent Lamps (CFLs). When spent, residents should dispose of their CFLs and fluorescent tubes (4-foot and 6-foot) through one of the Program's collection sites. CFLs should not be disposed of with household garbage. CFLs contain small amounts of mercury sealed within the glass tubing and, if broken, will release the mercury into the environment. The energy savings realized by using fluorescent lamps is significant, but residents and businesses are encouraged to handle these lamps appropriately and dispose of them in an environmentally conscious manner.



EXPENSE/REVENUE SUMMARY

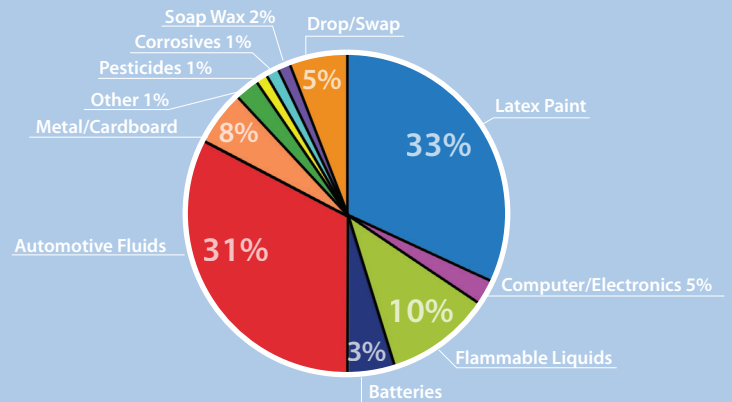
Maintaining long-term financial stability is always a Program goal. This year, City and County budgets were affected by economic conditions. The Steering Committee and staff worked together to identify potential long-term solutions. Since latex paint is almost one third of the material accepted through the Program, one established goal focuses on the management of latex paint.

Currently, recycled latex paint, which is packaged in five-gallon buckets, is offered for sale to the public for \$10 per bucket for colored paint and \$15 per bucket for white paint. The nominal fee assessed on the paint helped to recover the costs associated with packaging the paint in new buckets with sealed lids. This paint is also available for graffiti abatement and purchased by neighborhood associations and community groups that actively remove graffiti from common area walls and concrete washes.

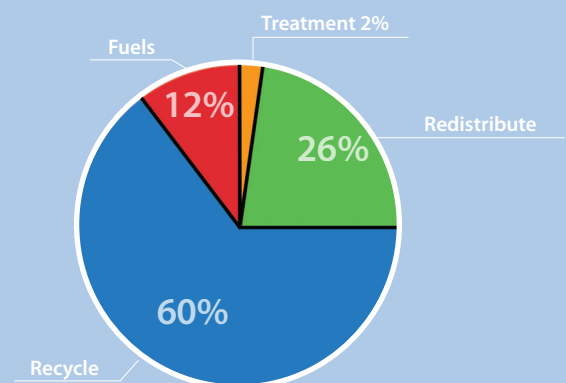
- ▶ Compared to last year, total Program expenses increased because of increased costs of supplies and increased disposal of hazardous materials;
- ▶ Revenues of \$117,988 from the sale of scrap metal, lead-acid batteries, used oil, latex paint, and SBWAP helped offset total operational and disposal expenses;
- ▶ Total revenue generated this year from recycled latex paint was \$45,310.



Figure 3. Materials diverted from the landfill and wastewater treatment plants



Ultimate fate of those diverted materials



COLLECTIONS

The Program maintains several convenient collection opportunities.

Every Friday and Saturday, the main facility, located at 2440 W. Sweetwater Drive, is open to receive household hazardous materials from 8 a.m. to 12 noon. Residents from Sahuarita, Marana and Oro Valley are charged a \$5 fee to drop off HHW materials at the main site. The Los Reales Landfill Drop-off Site is open 6 a.m. - 5 p.m., M-F.

Monthly outreach collection sites are open on the first and second Saturday of every month (excluding holidays) from 8 a.m. to 12 noon. These outreach sites are located at:

- ▶ Eastside City Hall (1st Saturday)
7575 E. Speedway Boulevard
- ▶ Tucson Water, Plant 2 (2nd Saturday)
1102 W. Irvington Road

Antifreeze, Batteries, Oil, and Paint (ABOP) collection sites are available daily to residents during normal operating hours. ABOP Stations are located at:

- ▶ Sahuarita & Tangerine Road Landfills
- ▶ Catalina & Ryan Field Transfer Stations

In addition, the Small Business Waste Assistance Program (SBWAP) is available to assist qualified businesses at the main site. The SBWAP offers a safe and economical option for businesses to properly dispose of their hazardous wastes.

Other collections are periodically held in outlying communities and within City neighborhoods. The collection sites are staffed by a combination of volunteers and Program staff. When the main site is closed to the public, trained staff process the materials received by sorting and properly preparing the materials to be transported for recycling, reuse, redistribution, and safe treatment or disposal.



MANY THANKS TO ALL OUR VOLUNTEERS!

Volunteers have always been an integral part of the Program's success. Each month at outreach collection events, trained volunteers work in various capacities. Volunteers greet the public to gather basic information from residents dropping off materials. Other volunteers help the residents unload materials from their vehicles. Another set of volunteers help sort the materials by hazard class and pack the materials in shipping containers. Regardless of what job assignment each volunteer assumes, all volunteers are greatly appreciated for their hard work and public service!



PROGRAM ORGANIZATION

CITY OF TUCSON

Jonathan Rothschild..... Mayor

COUNCIL

Regina Romero Ward 1
 Paul Cunningham Ward 2
 Karin Uhlich, Vice Mayor Ward 3
 Shirley C. Scott Ward 4
 Richard Fimbres Ward 5
 Steve Kozachik Ward 6

Richard Miranda City Manager

PIMA COUNTY

Board of Supervisors

Ann Day District 1
 Ramón Valadez, Chairman District 2
 Sharon Bronson District 3
 Raymond J. Carroll District 4
 Richard Elías District 5

C.H. Huckelberry County Administrator

STEERING COMMITTEE

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 Sonora Environmental Research Institute, Inc.

Paul Kramkowski, Vice Chair
 Raytheon, Facility Management & Real Estate

Brandy Kadous
 Tucson Central Safety Services

Mike Jones
 Tucson Fire Department

Erin Gibson
 Pima County Sheriff's Department

Seth Ruskin
 City/County Community Representative

Ursula Kramer
 Pima County Department of Environmental Quality

ADMINISTRATION

The Household Hazardous Waste Program is administered by the City of Tucson Environmental Services Department.

PROGRAM STAFF

Francis LaSala, Environmental Program Manager
 Frank Bonillas, Environmental Services Superintendent
 Fernando Valencia, Environmental Services Supervisor
 Don Campbell, Equipment Operation Specialist
 Anthony Diaz, Environmental Services Equipment Operator
 James Foley, Senior Environmental Services Worker
 Eric Hart, Environmental Services Worker
 David Maxey, Senior Environmental Services Worker
 Dennis Zygel, Environmental Services Equipment Operator

SUPPORT STAFF - Los Reales Landfill ABOP

Angel Flores, Senior Environmental Services Worker

ADDITIONAL INFORMATION

Additional information about the Household Hazardous Waste Program is available on the following web sites and phone lines:

United States Environmental Protection Agency
www.epa.gov

Arizona Department of Environmental Quality
www.azdeq.gov

Pima County Department of Environmental Quality
www.deq.pima.gov

City of Tucson
www.tucsonaz.gov/hhw

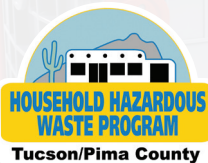
Tucson Clean & Beautiful and Recycling Information Line
www.tucsonaz.gov/tcb
 520-791-5000

Earth 911
www.earth911.com
 1-877-EARTH911

Environmental Services
www.tucsonaz.gov/esd
 2440 West Sweetwater Drive
 Tucson, AZ 85705-6921



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www.tucsonaz.gov/esd



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Tucson, AZ 85705-6921
Operated by City of Tucson
Environmental Services Department